

**IL1R2 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11048c****Specification**

---

**IL1R2 Antibody (Center) Blocking peptide - Product Information**Primary Accession [P27930](#)**IL1R2 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 7850**Other Names**

Interleukin-1 receptor type 2, IL-1R-2, IL-1RT-2, IL-1RT2, CD121 antigen-like family member B, CDw121b, IL-1 type II receptor, Interleukin-1 receptor beta, IL-1R-beta, Interleukin-1 receptor type II, CD121b, Interleukin-1 receptor type 2, membrane form, mL-1R2, mL-1RII, Interleukin-1 receptor type 2, soluble form, sIL-1R2, sIL-1RII, IL1R2, IL1RB

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**IL1R2 Antibody (Center) Blocking peptide - Protein Information****Name** IL1R2**Synonyms** IL1RB**Function**

Non-signaling receptor for IL1A, IL1B and IL1RN. Reduces IL1B activities. Serves as a decoy receptor by competitive binding to IL1B and preventing its binding to IL1R1. Also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors.

**Cellular Location**

[Isoform Short]: Secreted

**IL1R2 Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **IL1R2 Antibody (Center) Blocking peptide - Images**

#### **IL1R2 Antibody (Center) Blocking peptide - Background**

The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Two alternatively spliced transcript variants encoding the same protein have been reported.

#### **IL1R2 Antibody (Center) Blocking peptide - References**

Giroux, S., et al. Bone 47(5):975-981(2010) Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Chen, C., et al. Rheumatol. Int. (2010) In press :Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)